

EIM BEARING / TECHNICAL LIBRARY

YRT Rotary Table Bearings

Combined axial/radial guidance for machine-tool rotary axes

YRT rotary table bearings combine axial and radial rolling element support in a compact rotary unit. The supplied source describes variants intended for precision rotary tables and related machine-tool positions.

Typical configurations

- Standard YRT: oriented toward general high-rigidity rotary table applications.
- YRTS, YRTM and other variants: described for different speed or measuring functions; availability and exact performance require model confirmation.
- Mounting holes and interface dimensions must be checked against the target axis design.

Selection and engineering review

- Share rotary axis layout, mounting interface and desired rotation accuracy.
- List simultaneous axial, radial and tilting moment loads.
- Confirm indexing or continuous-rotation duties, speed and lubrication.
- State whether any measurement feedback or integrated measuring function is required.

Typical application areas

- CNC rotary tables and indexing heads
- Multi-axis machining and turning centers
- Precision measurement and positioning systems

Important verification notes

- Do not assume an integrated encoder or measurement feature exists for every YRT designation.
- Any special variant performance must be verified from a model-specific data sheet.

What to include with your RFQ

Bearing designation (including suffix), quantity or annual demand, applicable drawing, load and speed data, operating conditions, desired delivery, and requested technical documentation. For unknown models, include target dimensions and a photo or drawing.

For validated dimensions, use EIM's Specifications Center. Send project-specific drawings and technical requirements directly to service@eimbearing.com.

Quick RFQ worksheet

Required information	Customer input
Company / contact	<input type="text"/>
Full bearing designation	<input type="text"/>
Requested quantity / annual volume	<input type="text"/>
Load directions & operating cycle	<input type="text"/>
Speed, temperature and environment	<input type="text"/>
Shaft and housing interface	<input type="text"/>
Applicable drawing or revision	<input type="text"/>
Target delivery & documentation	<input type="text"/>

Document scope and source

Editorial reference prepared from user-supplied product information: Classification 15 — YRT Rotary Table Bearing; product note.doc.

This file is a general selection and quotation overview, not a model-specific rating table, certified drawing, guaranteed performance statement or approved engineering specification. Confirm the final designation and current approved data before purchase.